

5.0 TEST PREPARATION

5.1 Plant Operation and Control

Before starting the performance tests on the turbine generator unit, all relevant plant automatic control systems are to be set and working effectively to achieve the required values and stability of the operating steam conditions.

All normally operating plant equipment will be in service and operating normally. This includes

All feed water heaters

Cooling Tower Fans

However, some equipment or systems are specifically requested by kept out of service due to hot water and steam consumption. These include the following:

Air Preheat warming system

HVAC Heating System (supply from Unit 1)

5.2 Outage Activities

During the outage, IPSC will check all relevant instrument connections and make sure that they are suitable for use during the tests. Instrumentation lines will be blown down.

Pressure tapping points, which have been capped off, will need to be re-instated and piped down to convenient location. Any new pressure tappings, such as pressure at HP turbine inlet, will need to be installed during the outage.

The bore of thermowells will be checked for blockage and cleaned if necessary.

The boiler feed pump turbine steam extraction flow nozzles (2) will be installed. The final feed water flow nozzle will be inspected, cleaned and condition documented.

Station instrumentation used during the test will be calibrated by IPSC. High accuracy test instrumentation (provided by third party) will also be installed by IPSC personnel during the outage.

6.0 TEST INSTRUMENTATION

6.1 An Instrumentation List of the third party equipment is attached in Appendix 1